

THIRD  
ANNUAL REPORT  
OF THE  
BOARD OF HEALTH  
OF THE  
CITY OF NEWARK, N. J.,  
FOR THE YEAR ENDING  
DECEMBER 31st, 1887.

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# BOARD OF HEALTH

OF THE

CITY OF NEWARK, N. J.

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 Seventh District, 6th Ward.—Dr. Vincent Nager.  
 Eighth District, 11th Ward and 7th and 15th Wards (west of Newark St.)—Dr. Edward Everitt.

## OFFICE OF THE BOARD.

CENTRE MARKET BUILDING, ROOMS 8 AND 9.

Regular meetings of the Board are held in the Mayor's office, City Hall, on the first Monday of each month, at 8 o'clock P. M.

# REPORT.



ANNUAL REPORT  
OF THE  
BOARD OF HEALTH.

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NEWARK, N. J. January 1, 1888.

*To the Honorable the Board of Health of the City of  
Newark, N. J. :*

GENTLEMEN—I have the honor herewith to transmit this, the third annual report of the Department of Public Health, for the year ending December 31st, 1887.

The past year has been one of active work in this department of the city government, as can be readily seen from a study of the subjoined statements, and it affords me a great deal of pleasure to be able to state in this connection that in the great majority of instances we have been aided by our property owners being in earnest accord with your officers in their endeavors to place the city in a good sanitary condition. This, as you are well aware, is due to the fact that since our reorganization under the general health law of the State, in 1886, with all the powers conferred by this act, it has been our endeavor not to drive, but

to educate our citizens to such efforts as will bring about this end. While the work that has been accomplished during the past three years does not show very much at present as regards a decreased mortality, it must not be forgotten that it takes a long time for sanitary measures to make a marked impression on a previously delicate population, and a still longer time to produce a permanent improvement.

#### VITAL STATISTICS.

It has been the aim of your health officer for the past two years to obtain accurate and complete returns of births, marriages and deaths. While the reports of births are still incomplete the comparison of the tables of 1886 and this year demonstrates that most of our physicians are recognizing the value of these returns and are doing all in their power to assist me in obtaining them. I think, however, the few who are still careless in regard to their duty in this respect will before long understand of what value they are, not only to the statistician, but also in establishing proof of descent and legitimacy in future years, and in at least another year or two our reports will be nearly complete.

The classification of the causes of death in communities is one of the greatest aids to the health authorities in improving the sanitary condition of their districts. Until it is possible to know with some precision the proportions in which the population die from certain diseases, the effects of conditions inimical to life cannot be studied. By the development of that sys-



tem and to the accuracy of the reports which emanate from the Health Department, opportunity is given for local circumstances which give rise to undue mortality to be accurately studied.

Preventive medicine aims not only at the reduction of the death rate, but at the diminution of disease. The result of applying its principles to public health operations conduces to individual and national prosperity, to greater enjoyment of life, and to capacity for greater power for remunerative occupation. There is no question but that happiness is brought to the greater number by the diminution of disease and death

#### BIRTHS.

During the past year 4,846 births have been reported. The totals for 1885 and 1886 were 3,776 and 4,574 respectively.

Of the 4,846 reported, 4,773 were white and 73 colored ; 2,491 were males and 2,339 females—the sex of 16 not being stated ; 4,787 were legitimate and 59 illegitimate. The birth rate per thousand of the population is 29.01 ; for 1886 it was 28.59 and for 1885, 24.20.

#### MARRIAGES.

There were 1,632 marriages reported during the past year, 1,375 having been reported in 1886 and 1,237 in 1885.

Of the 1,632 reported 1,595 were white males, 1,596 white females, 37 colored males and 36 colored

females. The marriage rate per thousand of the population was 9.77 ; for 1886 it was 8.59 and for 1885 7.92.

#### DEATHS.

The total number of deaths for the year was 3,985, which gives a death rate per thousand of the population (estimated at 167,460) of 23.86. Of these 2,070 were white males and 1,774 white females. The deaths among the colored population were 69 males and 72 females.

Population, white (estimated), 163,886 ; death rate 22.95.

Population, colored (estimated), 3,574 ; death rate 35.25

The deaths, with the death rate by quarters, was as follows :

First Quarter.....	980,	Death Rate	23.47
Second " .....	917,	"	21.96
Third " (Summer months).	1173,	"	28.09
Fourth " .....	915,	"	21.91

The total number of deaths under five years of age was 1,692, and of these 1,064 were under 1 year. Of the 1,064 deaths under one year 222 were less than two weeks old, 38 were less than three days and 64 were under one day.

The summer death rate, which is seen to be very large was mainly due to the mortality from infantile

diarrhœa, which in its term was due to the excessively high temperature which formed the rapid decomposition of organic matter, rendering the air impure and causing certain foods to undergo putrefactive changes unless kept under very favorable circumstances.

The deaths from zymotic diseases which had been 693 in 1886 rose to 752 during the past year. They included 2 deaths from small-pox, 20 from measles, 17 from scarlet fever, 126 from diphtheria, 127 from croup, 54 from typhoid fever, and 265 from diarrhœal diseases. While there was a marked increase in the deaths from diarrhœal diseases and diphtheria, scarlet fever shows one less death, and typhoid fever a decrease of 23. Under the constitutional diseases phthisis is found to have caused 466 deaths, a decrease from the previous year of 7.

Of the principal respiratory diseases 236 deaths were from bronchitis and 245 from pneumonia. There were 105 deaths from accidents, and there were 5 homicides and 27 suicides.

#### SANITARY CONDITION OF THE CITY.

While there has been a decided improvement in the sanitary condition of our city there are yet many subjects that demand our serious consideration. The most important are measures looking to the extension of our sewerage system, and the regulating and controlling of the method of construction of house drainage and plumbing. Certain sections of our city are in such need of sewers as to constitute a constant source of danger and of high mortality to those in the immediate

vicinity. Fortunately there is a means whereby the Board of Health can cause these conduits to be constructed, and if the property owners along the line of streets in these sections seem determined to remonstrate to the Sewer Committee of the Common Council against their construction, then the law giving Boards of Health power to order sewers built as a sanitary necessity should be taken advantage of and the construction of such sewers recommended. In every instance where this has been done in the past, the Sewer Committee have upheld the Board, and from the standing of that committee for the coming year there is every reason to feel that the same will hold good.

As regards the plumbing and drainage of buildings we are particularly unfortunate in not being able to regulate this subject at the present time from the fact that the power conferred on local Boards to pass ordinances governing certain subjects does not include this in its category.

An amendment to that act to include the above will be introduced during the coming session of the Legislature and will undoubtedly become a law.

The building act authorizes the building inspector to inspect every new building, and any fault of construction promising to be dangerous he has the power to have remedied; but in the very house the beams and floors of which he inspects, the plumbing arrangements may be so faulty as in a very short time to allow the contents of waste and soil pipes to freely percolate under the floors. Now, if the beam breaks and the floor gives way it is possible but not very likely that one person, possibly two, may be injured,

although accidents of this kind are very rare. But an escape of sewer gas spreads its deadly poison insiduously day and night, and it may destroy the lives or sap the health of whole households, and so far from being uncommon it is of daily occurrence.

Our laws should be such that careless workmanship and errors of construction should be prevented. No new building should be inhabited or old building re-let until its sanitary arrangements have been inspected by a competent person and passed as safe.

The whole system of closet and water arrangements of cities lends itself so easily to faulty construction that defects are not astonishing, and nothing but a law of this kind will teach some builders and plumbers the importance of their work.

Another subject to be considered is the difficulty in dealing with the erection and maintaining of privy vaults and cesspools, the ordinance having a proviso added, that if in the judgment of the Board a permit to continue or build a receptacle of this kind is considered advisable, the same may be issued. But this difficulty ought to be got over without sacrificing the health interests of the public to those of owners of property.

A Board of Health should recognize the fact that it is the guardian of the public health, and that it should not transmit to future Boards difficulties that can only be increased in intensity the longer the remedy is deferred.

In the latter part of October the people of this country were startled by the intelligence that the steamship "Albatross" had entered New York harbor

with cholera on board. The ship was detained at Quarantine and those sick were removed to the hospital on Swinburne Island, while the other passengers were housed on Hoffman Island. While the health officer of the port did all in his power to prevent the spreading of the disease among the other passengers and disinfected all wearing apparel, etc., it was ascertained from an inspection of the quarantine establishment that it was sadly deficient in proper buildings and appliances to deal with this scourge. This report, which has had wide circulation, cannot but have the effect of leading our thinking population to be somewhat doubtful as to the efficiency of quarantine restrictions. As regard such diseases we must abandon, to a certain extent, our trust in the efficient quarantining of ports and remove from our midst those conditions under which such infections can spread. This will be accompanied by a great diminution in mortality from other preventible diseases. The steady progress of the true measures of prevention tends to impart that feeling of confidence which is of such value in the face of an impending epidemic, and at the same time it promotes the healthiness and well-being of the population.

#### HOUSE-TO-HOUSE INSPECTION.

The work of a systematic house-to-house inspection for the purpose not only of correcting existing evils, but to have a complete sanitary survey of each piece of property in the city, is still being continued, and the following is the result of the work to date, which has continued over a period of thirty months:

Houses inspected.....	14,283
Nuisances found.....	2,397
Nuisances abated.....	2,298
Cases of defective plumbing and drainage found	1,264
Cases of defective plumbing and drainage rectified... ..	1,249
Persons not vaccinated (name and residence taken).....	6,447
Private wells, the water of which is used for drinking purposes.....	1,556

During the past year only 2,426 houses were examined for the first time, but during the spring and summer a re-inspection of the tenement districts was carried on, this being deemed of more importance than an examination of the houses of the better classes, which are the only ones at the present time that have not been inspected.

#### SLAUGHTER HOUSES.

It is very gratifying to your Health Officer to be able to state that the owners of the slaughter houses on Thomas lane have contracted for the building of a drain from these buildings to the branch of the intercepting sewer, which was laid for this purpose. With the laying of this drain the pouring of refuse from these houses on the meadow land will be done away with, thus removing one of the greatest nuisances that has existed in this section of the city for years. This will leave only one slaughter house in the city without a sewer connection, but in this case there is no sewer in the immediate vicinity; the owner, however, has

received notice from this Department to make certain improvements in the buildings and to have movable receptacles provided to receive all refuse, etc., which must be removed every twenty-four hours. He has signified his intention of carrying out these provisions and has already commenced work, and it will now be a matter of a very short time only before all our slaughter houses will be in a proper sanitary condition and cease to be a source of annoyance to those living near them.

The following gives a summary of all work accomplished in this connection for the year :

Notices served for the abatement of nuisances	2,240
Abatements.....	2,010
Notices served to rectify defective plumbing and drainage .....	970
Rectifications.....	899
Permits granted for sewer connections.....	1,272
Number of sewer drains inspected.....	1,063
Permits granted for cleaning privy vaults.....	2,472
Permits granted for cleaning cesspools..	626
Permits granted for keeping cows and goats	686
Sunken lots filled.....	10

#### OUT-DOOR POOR.

The gentlemen connected with this branch of our work have been earnest and painstaking in the performance of their duties, especially during the summer months when a large portion of their time was taken up in attendance upon the clinics at the dispensary



and the visiting of such indigent persons as were unable to appear at the clinics for treatment.

The following is the yearly statement of Mr. J. Frank Cramer, the City Apothecary :

Number of patients treated at clinics...	4,191
Number of dispensary prescriptions filled...	4,033
Number of district prescriptions filled.....	5,005
	<hr/>
Total written and dispensed.....	9,038
Teeth extracted.....	1,796
Vaccinations.....	845

The total amount spent for drugs during the year was \$766 99 making an average cost per prescription of eight and one quarter cents. In 1886 there were 9,578 prescriptions filled. The drug bill was \$901.02, with an average cost per prescription of nine and two fifth cents, showing this year a saving of over one cent for each prescription, or a total of about one hundred dollars.

The following table shows by districts the number of patients treated, visits made, prescriptions written, number of patients sent to hospitals, and deaths, for the year 1887:

District.	Location.	Patients.	Visits Made.	Prescriptions Written	Sent to Hospitals	Deaths.
First ..	1st and 8th Wards ..	252	773	589	41	8
Second.	2d, 3d and 4th Wards	355	692	673	90	19
Third..	9th and 10th Wards.	418	1,102	769	18	25
Fourth.	5th and 12th Wards.	506	1,341	1,172	49	18
Fifth..	13th and 14th Wards.	620	1,132	345	37	20
Sixth...	7th and 15th Wards, east of Newark st.	576	1,487	563	24	26
Seventh	6th Ward.....	418	657	394	36	16
Eighth.	11th, 7th & 15th Wds, west of Newark st.	447	609	500	25	17
Grand Total....		3,592	7,793	5,005	320	149

#### MEAT AND LIVE STOCK DEPARTMENT.

The work of this Department has been carried on during the past year with the same degree of energy as has been displayed in former years. It having been discovered early in the fall that wagon loads of calves from one to three weeks old were being brought into the city after dark and slaughtered in certain slaughter houses, the inspectors were obliged to do a great deal of extra night work in watching the operations of such persons as were engaged in this nefarious business. But this labor has not been in vain, for at the present time this business is about broken up.

The following gives the inspections in this Department, together with the condemnations for the year 1887:

Months.	Beef Cattle.	Hogs.	Sheep	Calves.	Totals.
January .....	2,263	1,101	4,991	4,711	13,066
February .....	2,287	3,643	4,100	2,011	12,041
March .....	2,476	4,104	4,768	2,491	13,839
April .....	2,699	3,798	7,884	6,061	20,442
May .....	2,045	2,494	5,020	4,830	14,389
June .....	2,004	1,686	5,998	6,378	16,066
July .....	1,942	2,370	4,013	3,847	12,172
August .....	2,431	2,800	7,869	4,226	17,326
September ...	2,073	4,015	8,439	4,326	18,853
October .....	2,618	3,799	6,725	3,830	16,972
November ...	2,088	3,067	6,153	3,603	14,911
December ....	1,838	3,276	3,285	2,584	10,983
Total .....	26,764	36,153	69,245	48,898	181,060

The following are the condemnations for the year :

	Number.
Cattle—Beef .....	3
Calves .....	67
Sheep .....	42
Hogs .....	1

#### ARTICLES CONDEMNED IN MARKETS.

	Pounds.
Poultry .....	2,045
Beef .....	1,965
Mutton .....	803
Pork .....	500
Bologna .....	430
Veal .....	270
	Number.
Rabbits .....	62

Also a large quantity of fruit and vegetables.

## CONTAGIOUS AND INFECTIOUS DISEASES.

The past year has been the first that our Board has required, by ordinance, the reporting of contagious and infectious diseases. Previous to that time it was purely voluntary on the part of our physicians, and in the majority of instances the death certificate was the first intimation received of the existence of a disease of this nature in a certain locality. At the present time I think I am safe in saying that there are very few cases that we do not hear of. The question next to be considered is, are we in a position to battle with them successfully when reported? I am compelled to answer that in the majority of cases we are not. Why? For the want of proper means of isolation and disinfection. Among the better classes isolation and disinfection can be carried out, as the patient can be placed in a separate room and all discharges as well as soiled linen, towels, etc., can be placed in a disinfecting solution before being removed. Among the poorer classes it is impossible to secure the separate room and have the principles of thorough disinfection carried out. In such a case our duty is plain. A hospital should be provided and the case removed to it at once; not only for the good of the patient, but for that of the community. When taken in time, all contagious diseases can be stamped out by the principles of isolation and disinfection. Notification may be enforced and efforts may be made by way of disinfection, prohibition as to school attendance, visits of supervision to control the disease, but without the means of hospital isolation, I fail to see how, when

contagion is introduced, it can be prevented from spreading. Our experience during the past month with diphtheria is an example we should profit by, and in making up our budget of expenses for the coming year an amount for hospital purposes should be inserted, and I have no doubt but that when it is explained the Common Council will readily grant the excess asked for.

I desire at this time to thank each member of the Board for the cordial support afforded me during the past year, and I sincerely hope that in the near future the public at large will recognize that our work, although aggressive at times, is not intended as one of persecution, but one looking to the welfare of the entire community.

Very respectfully,

DAVID L. WALLACE, M. D.,

*Health Officer.*



## TABLES.

TABLE No. 1.

SHOWING NUMBER OF BIRTHS REPORTED FOR EACH MONTH, WITH COLOR, SEX, NATIVITY OF PARENTS,  
TOGETHER WITH TOTAL FOR THE YEAR AND THE BIRTH RATE.

Month.	Total.	Color.		Sex.				Nativity of Parents.								Name of child.			
		White	Colored.	Males.	Females	Not Stated.	Native.	Foreign.	Foreign Father only.	Foreign Mother only.	Nativity of Father stated only.		Nativity of Mother stated only.		Not Stated.	Stated.	Not Stated.	Legitimate.	Illegitimate
Jan	416	411	5	233	182	1	145	165	49	28	...	9	...	...	20	203	213	413	3
Feb	380	378	2	208	172	...	181	177	50	20	...	1	...	1	...	209	171	378	2
March	409	402	7	218	191	...	177	156	52	21	...	...	1	...	2	213	196	408	1
April	410	401	9	209	201	...	183	154	64	23	1	2	3	...	...	188	222	408	2
May	339	337	2	162	174	3	153	142	35	8	...	...	1	...	...	174	165	338	1
June	364	362	2	184	178	2	154	160	33	13	...	1	1	3	...	196	168	360	4
July	379	370	9	165	214	...	167	154	38	20	...	...	...	...	...	182	197	378	1
Aug.	354	351	3	179	175	...	131	161	88	23	...	...	1	1	...	222	132	351	3
Sept.	371	363	8	178	190	3	143	155	43	24	1	2	1	2	...	195	176	368	3
Oct.	442	436	6	219	223	...	187	172	62	19	1	...	1	...	...	222	220	440	2
Nov.	524	513	11	293	226	5	232	204	60	26	1	...	1	...	...	230	294	522	2
Dec.	458	449	9	243	213	2	163	184	42	30	...	...	14	20	5	261	197	423	35
Total	4,846	4,773	73	2,491	2,339	16	1,946	1,984	566	253	4	15	24	27	27	2,495	2,351	4,787	59

Birth rate per thousand of the population, 29.01.



TABLE No. 2.

SHOWING THE NUMBER OF MARRIAGES REPORTED MONTHLY, TOGETHER WITH A TOTAL FOR THE YEAR AND THE MARRIAGE RATE.

MONTH.	Total.	White.		Colored.		Native.		Foreign.		Nativity not stated.		1st Marriage.		2d Marriage.		3d Marriage.		4th Marriage.		Marriage not stated.	
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
January....	181	128	126	5	5	83	92	48	39			105	102	15	16	1	1			10	12
February	155	153	153	2	2	86	110	69	4			108	111	22	16		1			25	28
March...	80	76	76	4	4	42	50	38	29		1	70	73	16	6						1
April	135	134	134	1	1	73	88	56	42	6	5	89	93	15	9	1				30	33
May....	151	151	151			67	72	83	78	1	1	118	118	21	14					12	19
June...	112	107	108	5	4	69	73	43	38		1	95	93	7	9					10	10
July.	120	116	116	4	4	76	68	44	47		5	92	99	19	11	1				8	10
August.	130	129	129	1	1	62	58	67	68	1	4	98	101	21	17	3	1			8	11
September.	101	101	101			54	52	47	46		3	76	76	13	10	3	1		1	9	13
October....	160	156	156	4	4	71	86	89	70		4	122	120	15	16	4				19	24
November..	133	132	132	1	1	80	86	53	47			103	111	14	7	1				15	15
December..	224	214	214	10	10	105	121	83	63	36	40	140	154	39	23	1				44	44
Total...	1,632	1,595	1,596	37	36	869	956	729	612	44	64	1,216	1,250	311	157	15	4			1,190	220

Marriage rate per thousand of the population, 9.77.

TABLE No. 3.

SHOWING CAUSES OF DEATH, WITH AGES OF DECENDENTS.

CAUSES OF DEATH.	AGE BY YEARS.									SEX.		NATIVITY		Total, both Sexes.	Annual Death Rate, per 1,000. (colored.)	
	1 Year and under.	1 to 2 Years.	2 to 5 Years.	Total under 5 Years.	5 to 10 Years.	10 to 20 Years.	20 to 40 Years.	40 to 60 Years.	60 to 80 Years.	80 Years and over.	Male.	Female.	United States.			Foreign.
ZYMOTIC.																
Small Pox.....		1	1						1		2		2		2	0.01
Measles.....	5	7	6	18	1	1					8	12	20		20	0.11
Scarlet Fever.....			8	8	7	1	1				5	12	17		17	0.10
Diphtheria.....	6	19	54	79	38	6	2		1		63	63	123	3	126	0.75
Croup.....	8	24	67	99	27	1					64	63	121	6	127	0.76
Whooping Cough.....	5	5	3	13							7	6	11	2	13	0.07
Typhoid Fever.....			3	3	6	15	24	6			33	21	37	17	54	0.32
Malaria Fevers.....	3	2	7	12	5	2	12	8	8	1	22	26	37	11	48	0.28
Diarrheal Diseases.....	186	39	9	234	1	1	7	4	15	3	134	131	245	20	265	1.58
Other Zymotic Diseases.....	32	9	7	48	2	4	15	11			48	32	65	15	80	0.47

CONSTITUTIONAL.														
Cancer .....							8	41	39	5	31	62	34	59
Phtisis Pulmonalis .....					1	29	255	140	41		276	190	274	192
Marasmus and Scrofula .....	135	18	8	161		1		1			95	68	163	
Other Constitutional Diseases ..	22	7	10	39	12	12	35	40	9	1	87	61	106	42
													148	0.88
														11
LOCAL.														
Nervous—														
Apoplexy .....							5	37	58	6	50	56	44	62
Paralysis .....			*1	1			2	8	23	11	16	29	22	23
Meningitis .....	61	21	31	113	15	7	12	17	10	1	94	81	141	34
Convulsions .....	155	34	15	204	3		1				109	99	204	8
Other Nervous Diseases .....	47	18	20	85	2	6	23	21	21	8	100	66	131	35
													166	0.99
														5
Circulatory														
Diseases of the Heart .....					3	10	44	87	81	8	110	123	119	114
Other Circulatory Diseases .....		1		1		2	2	6	9	2	11	11	13	9
													22	0.13
Respiratory -														
Bronchitis .....	96	44	13	153	4	3	5	24	37	10	124	112	172	64
Pneumonia .....	42	44	26	112	10	11	35	35	38	4	150	95	182	63
Other Respiratory Diseases .....	4	2	7	13		3	14	21	14	3	51	17	32	36
													68	0.40
														1
Digestive—														
Diseases of Stomach and Bowels ..	81	15	7	103	3	4	10	24	24	1	82	87	132	37
Peritonitis .....	3			3	2	9	16	5	5		20	20	26	14
Diseases of the Liver .....			1	1	1	1	7	18	6	2	19	17	12	24
Other Digestive Diseases .....									2	1	2	1	2	1
													3	0.01

\* Following d. phtheria.

**TABLE No. 3.—Continued.**  
SHOWING CAUSES OF DEATH, WITH AGES OF DECENDENTS.

CAUSES OF DEATH.	AGE BY YEARS.										SEX.		NATIVITY		Total, both Sexes.	Annual De ul. Rate, per 1,000.	Colored.	
	1 Year and under.	1 to 2 Years.		2 to 5 Years.		Total under 5 Years.		5 to 10 Years.	10 to 20 Years.	20 to 40 Years.	40 to 60 Years.	60 to 80 Years.	80 Years and over.	Male.				Female.
LOCAL.—Continued.																		
Urinary Organs—																		
Brigat's Disease .....	1	1	4	6	4	6	52	46	31	9	77	77	86	68	154	0.92	16	
Other Diseases of Urinary Organs ...	.	.	.	.	1	1	9	14	3	18	10	11	17	28	0.16	1		
Other Local Diseases.....	...	.	.	.	1	3	4	3	..	2	9	5	6	11	0.06	..		
DEVELOPMENTAL.																		
Children—																		
Asthenia and Premature Birth..	116	..	..	116	..	..	..	..	..	..	64	52	116	..	116	0.69	4	
Congenital Deformity.....	12	1	..	13	..	..	..	..	..	..	4	9	12	1	13	0.07	1	
Other Diseases of Children. ...	43	..	1	44	..	..	..	..	..	..	25	19	44	..	44	0.26	2	

DEVELOPMENTAL — <i>Con.</i>																		
<i>Women—</i>																		
Puerperal Diseases.....						1	34	3	...	...	38	23	15	38	0.22	..		
Old Age.....										34	36	23	47	24	46	70	0.43	1
ACCIDENT AND VIOLENCE.																		
Accidents.....	1	2	6	9	14	19	27	22	12	2	85	20	64	41	105	0.62	2	
Homicide .....							3	1	1	..	2	3	1	4	5	0.03	..	
Suicide.....						1	14	9	3	..	20	7	11	16	27	0.16	..	

#### RECAPITULATION.

Population, January 1st, 1888.....(estimated), 167,460 <sup>82</sup>

Total Deaths from Zymotic Diseases ....	752.	Death Rate.....	4.50
“ “ “ Constitutional Diseases.....	870.	“ “ .....	5.21
“ “ “ Local Diseases.....	1,945.	“ “ .....	11.65
“ “ “ Developmental Diseases.....	281.	“ “ .....	1.68
“ “ “ Accident and Violence....	137.	“ “ .....	0.82

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Total Deaths ..... 3,985. Total Death Rate..... 23.86

Total Still Births..... 263.

TABLE No. 4.

SHOWING MORTALITY BY MONTHS, WITH AGES OF DECEDENTS, TOGETHER WITH SEX, NATIVITY AND SOCIAL STATE.

Ages	January.	Feb'y.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.	Grand Total.
Under 1 Year . . . . .	79	62	77	67	75	70	214	152	88	51	61	78	1,064
Between 1 and 2 Years . . . . .	23	25	20	23	29	10	55	44	34	13	16	21	313
"    2    "    5    "    . . . . .	30	19	16	16	26	21	22	28	28	30	29	50	315
Total under 5 Years . . . . .	132	106	113	106	130	101	291	204	150	94	106	159	1,692
Between 5 and 10 Years . . . . .	10	11	11	12	19	8	9	12	13	22	17	18	162
"    10    "    20    "    . . . . .	14	13	13	14	13	12	14	13	11	9	20	11	157
"    20    "    30    "    . . . . .	28	26	30	29	33	32	24	29	24	15	23	23	316
"    30    "    40    "    . . . . .	35	35	31	26	34	29	28	28	30	18	26	33	353
"    40    "    50    "    . . . . .	27	28	33	34	28	15	33	31	27	17	19	30	322
"    50    "    60    "    . . . . .	30	26	35	27	36	32	17	24	17	26	28	31	329
"    60    "    70    "    . . . . .	39	22	26	24	24	23	29	19	17	23	28	39	313
"    70    "    80    "    . . . . .	20	21	29	23	13	13	28	17	11	16	22	14	227
"    80    "    90    "    . . . . .	13	9	9	10	6	7	8	8	3	10	6	9	98
"    90    "    100    "    . . . . .	2	2	1	1	1	1	1	1	2	2	1	1	14
Over 100 Years . . . . .	1	1	1	1	1	1	1	1	1	1	1	1	2
Totals . . . . .	350	299	321	306	337	274	483	385	305	252	296	367	3,985

TABLE No. 4.—Continued.

	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Grand Total.
SEX.													
White—Males.....	162	162	175	167	180	150	249	190	169	130	158	178	2,070
“ Females.....	175	130	141	128	144	114	215	177	126	115	133	176	1,774
Colored—Males.....	4	5	8	4	6	4	9	9	3	5	5	7	69
“ Females.....	9	2	7	7	7	6	10	9	7	2	....	6	72
Totals.....	350	299	331	306	337	274	483	385	305	252	296	367	3,985
NATIVITY.													
United States.....	249	210	227	209	246	198	378	293	231	171	205	261	2,878
Foreign.....	101	89	104	97	91	76	105	92	74	81	91	106	1,107
Totals....	350	299	331	306	337	274	483	385	305	252	296	367	3,985
SOCIAL STATE.													
Single.....	193	166	171	157	202	151	343	258	197	142	177	216	2,373
Married.....	101	92	112	107	97	92	102	93	83	73	77	110	1,139
Widow.....	36	27	34	32	28	19	27	24	13	27	25	26	318
Widower.....	20	14	14	7	10	11	11	10	10	10	15	14	146
Not Stated.....	....	....	....	3	....	1	....	....	2	....	2	1	9
Totals.....	350	299	331	306	337	274	483	385	305	252	296	367	3,985

TABLE No. 5.

SHOWING MONTHLY MORTALITY BY WARDS IN THE CITY OF NEWARK, WITH POPULATION AND DEATH RATE OF EACH.

WARDS	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	Population.	Death Rate.
First	13	5	19	12	9	7	22	19	12	12	10	19	159	8,586	18.51
Second	18	13	14	8	11	16	22	16	14	15	8	16	174	7,789	22.33
Third	11	12	18	14	7	11	14	19	11	13	13	12	155	7,099	21.83
Fourth	24	13	10	19	17	10	18	13	8	12	21	24	184	6,763	27.20
Fifth	10	7	7	7	13	10	13	8	11	7	8	18	118	6,172	19.11
SIXTH	43	42	49	36	45	48	64	59	40	28	11	4	536	21,882	24.49
Seventh	17	10	14	15	17	21	21	24	24	13	21	18	221	5,711	22.68
Eighth	27	27	29	25	26	23	50	36	25	22	22	42	474	16,217	21.76
Ninth	5	12	13	8	16	8	19	7	5	4	8	11	116	7,345	15.79
Tenth	33	26	19	29	29	12	38	24	17	22	23	25	287	12,901	22.24
Eleventh	32	12	11	16	17	5	22	16	9	10	14	14	168	8,760	19.17
Twelfth	44	35	48	26	31	31	55	55	37	34	29	35	460	16,620	27.67
Thirteenth	46	31	38	47	49	38	71	45	53	32	38	58	551	24,746	22.26
Fourteenth	6	7	3	7	6	4	5	2	1	3	6	3	53	4,645	11.41
Fifteenth	14	17	9	11	15	14	26	19	17	12	14	13	181	8,194	22.08
Total by Wards	323	272	301	284	310	258	455	364	286	259	276	349	3,717	167,460	22.26
Public Institutions...	17	27	30	22	27	16	28	21	19	13	20	18	268		1.60
Grand Total	350	299	331	306	337	274	483	385	305	252	296	367	3,985	167,460	22.86



MONTHLY MORTALITY BY WARDS.

**TABLE No. 6.**  
**SHOWING MONTHLY MORTALITY, BY WARDS, FROM ZYMOTIC DISEASES AND OTHER CHIEF CAUSES,**  
**JANUARY.**

WARDS . . . . .	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total.
All causes, all ages . . . .	13	18	11	24	10	43	17	27	5	23	22	11	46	6	14	323
Rate of mortality, census, '85	19.	29.	19.	44	20	21.	21.	21	9	22	31	33	23	16	22.	
All causes, under 5 years..	1	9	4	8	4	19	6	11	3	11	5	23	18	1	7	130
Small-pox . . . . .								1								1
Measles . . . . .					1							2				3
Scarlet Fever . . . . .						2										2
Diphtheria . . . . .				1			1						3			5
Whooping Cough . . . . .																
Typhoid Fever . . . . .	1						1				1	1				4
Malarial Fevers . . . . .								1	1				1			3
Diarrhoeal Diseases . . . .						1										1
Cerebro-Spinal Meningitis .							1					1	1			3
Other Zymotic Diseases . .	1	2	1	1	1	6	1	2			2	1	4		1	23
Total Zymotic Diseases . .	2	2	1	2	2	9	4	3	1		3	5	9		1	45
Marasmus . . . . .					2	1		1				1	2			7
Phthisis . . . . .	1	2	2	3	2	1	2	3		5	1	4	7			33
Bronchitis . . . . .		1	1	3	1	2	1	5		3	4	8	4		1	34
Pneumonia . . . . .		1	3	3	1	2	1			2	4	6	2		1	29
Suicide . . . . .				1							1	1				3
Accidents . . . . .				1	1						1		1		1	5

# FEBRUARY.

All causes, all ages.....	5	13	12	13	7	42	10	27	12	26	12	35	34	7	17	272
Rate of mortality....	7.	21.	21.	24.	14.	24.	13.	21.	20	25	17	26	17.	19.	26.	
All causes, under 5 years..	1	2	3	7	2	20	6	5	2	12	4	13	15	3	9	104
Small pox.....								1								1
Measles.....															1	1
Scarlet Fever.....						1						1				2
Diphtheria.....						1							2			3
Whooping Cough.....																
Typhoid Fever..						1	..	1			1					3
Malarial Fevers. ....	1	1				2										4
Diarrhoeal Diseases.....	1						1	1	..	1			1			5
Cerebro-Spinal Meningitis..																
Other Zymotic Diseases...	1	...	1	3	1	3						1	2	1	1	14
Total Zymotic Diseases...	3	1	1	3	1	8	1	3	..	1	1	2	5	1	2	33
Marasmus.....				1	1	1	1	...	1				1		1	7
Phthisis.....		1	2	2	...	6	1	8	3	5	...	2	7	...	2	39
Bronchitis.....		1	...	1	...	2	1	2	1	5	1	6	1	...	2	23
Pneumonia.....		1	1	2	1	4	3	1	1	5	...	7	1	2	2	30
Suicide.....																
Accidents.....										1	3	2			1	7

**TABLE No. 6. -Continued.**  
**SHOWING MONTHLY MORTALITY, BY WARDS, FROM ZYMOTIC DISEASES AND OTHER CHIEF CAUSES.**  
**MARCH.**

WARDS.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total.
All causes, all ages.....	19	14	18	10	7	49	14	29	13	19	11	48	38	3	9	301
Rate of mortality.....	27	22	32	18	14	28	18	22	22	19	16	36	19	8	14	
All causes, under 5 years..	5	1	1	3	2	20	2	7	6	2	4	25	21	1	6	112
Small pox.....																2
Measles.....									1				1			2
Scarlet Fever.....						1		1								2
Diphtheria.....														1		1
Whooping Cough.....													1			1
Typhoid Fever.....							2					1	3		1	7
Malarial Fevers.....		1				1					1					3
Diarrhoeal Diseases.....						1					2					3
Cerebro-Spinal Meningitis.....								2				2				4
Other Zymotic Diseases.....				1		1					1	2	5		2	12
Total Zymotic Diseases....		1		1		4	2	3	1		1	5	10	1	3	35
Marasmus.....	1	1	1	1		4	1	1				1			1	12
Plague.....	4	1	2	1	2	9	1	6	1	6	1	5	6	1	1	47
Breast-tubercle.....		1	2		2	3	1	1	1	1		5	4			21
Pneumonia.....	2		3	1		3	3	3	2	2	1	6	1			27
Suicide.....										1						1
Accidents.....								1		1		2	1			5

APRIL.

All causes, all ages. ....	12	8	14	19	7	36	19	25	8	29	16	26	47	7	11	284
Rate of mortality.... ..	17	13.	24	35.	14.	20	24.	30	13	27	24.	19.	24.	19.	17.	
All causes, under 5 years .	6	2	5	5	1	18	6	12	....	13	5	11	13	2	6	105
Small-pox. ....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Measles ..	....	1	....	....	....	1	....	....	....	....	1	....	1	....	1	5
Scarlet Fever.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Diphtheria.....	1	....	....	....	....	....	1	....	....	....	....	1	....	....	....	3
Whooping Cough.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Typhoid Fever.....	1	....	....	1	....	....	....	....	....	....	....	1	....	....	....	3
Malarial Fevers. ....	1	....	....	....	....	....	1	....	....	3	....	....	....	....	....	5
Diarrhoeal Diseases.....	....	....	2	....	....	....	....	1	....	....	....	1	....	....	....	4
Cerebro-Spinal Meningitis.	....	....	....	....	1	....	....	....	....	....	....	1	....	....	....	2
Other Zymotic Diseases. .	1	....	....	1	....	....	....	1	....	1	....	1	3	....	....	8
Total Zymotic Diseases..	4	1	2	2	1	1	2	2	....	4	1	4	5	....	1	30
Marasmus .....	2	1	1	2	....	....	1	1	....	1	....	....	....	....	1	10
Phthisis ..	1	1	....	2	....	5	8	2	....	5	4	2	11	....	2	43
Bronchitis.....	....	....	1	1	....	7	1	3	....	1	1	2	2	....	....	19
Pneumonia.....	....	....	....	....	....	5	2	2	1	3	1	2	5	3	1	25
Suicide.....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	....	2
Accidents. ....	....	....	....	1	....	1	....	....	....	1	....	....	2	....	....	5

**TABLE No. 6.—Continued.**  
**SHOWING MONTHLY MORTALITY, BY WARDS, FROM ZYMOTIC DISEASES AND OTHER CHIEF CAUSES**  
**MAY.**

WARDS.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total.
All causes, all ages.. . . .	9	14	7	17	12	45	17	26	16	29	17	31	49	6	15	310
Rate of mortality.....	13.	22	12.	31.	24.	25	22.	20.	27.	28.	24.	22.	24.	16.	23.	
All causes, under 5 years.	4	2	3	7	6	23	3	13	3	8	8	13	27	2	8	130
Small pox .. . . .																
Measles .. . . .						2		1			1					4
Scarlet Fever .. . . .												1				1
Diphtheria.....						2								1		3
Whooping Cough.....																
Typhoid Fever.....								1				1	1		1	4
Malarial Fevers .. . . .							1			1				1		3
Diarrhæal Diseases.....							1		1							2
Cerebro-Spinal Meningitis.					1					1		1				3
Other Zymotic Diseases..	1	2			1	2			1	1	2		2		1	13
Total Zymotic Diseases...	1	2			2	6	2	2	2	3	3	3	3	2	2	33
Marasmus. ....					1	4		1		1	1	1	1		1	11
Phthisis .. . . .	1		1	3	2	6	5	3		7	1	2	9	1		41
Bronchitis. ....	1		2	2		4		2		1	1	2	7		1	23
Pneumonia. ....	1	1	1	3	1	5			1	1	1	2	4		5	26
Scalds .. . . .				1		2										3
Accidents.....	1		1			1		2			1		3		1	10

# JUNE

All causes, all ages.. . . .	7	16	11	10	10	48	21	23	8	12	5	31	38	4	14	258
Rate of mortality.....	10	25	19	18	20	27	26	17	13	11	7	23	19	11	21	
All causes, under 5 years..	1	5	4	3	3	25	11	8	2	2	1	13	20	....	3	101
Small-pox.....																
Measles.....													1			1
Scarlet Fever.....							1		1							2
Diphtheria.....					1	1						1				3
Whooping Cough.....									1				1			2
Typhoid Fever.....						1										1
Malarial Fevers.....	1					1				1		1				4
Diarrhoeal Diseases.....	1					5	1	2			1	5	2		2	19
Cerebro-Spinal Meningitis.....		1														1
Other Zymotic Diseases.....				1		2									1	4
Total Zymotic Diseases...	2	1		1	1	10	2	2	2	1	1	7	4		3	37
Marasmus.....					1	3	4	2					1			11
Plithisis.....		4	2	1	2	4	2	1				3	4	2	2	27
Bronchitis.....		2				1		2				2	3			10
Pneumonia.....	1	2				2	1					4				10
Suicide.....		1							1		1		2			5
Accidents.....		2					1	1		2		2				8

**TABLE No. 6.—Continued.**  
**SHOWING MONTHLY MORTALITY, BY WARDS, FROM ZYMOTIC DISEASES AND OTHER CHIEF CAUSES**  
**JULY.**

WARDS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total.
All causes, all ages.....	22	22	14	13	13	61	21	50	19	38	22	55	71	5	26	455
Rate of mortality.....	31.	35.	24.	24.	26	36	26.	38	32	36	31	41	35	13	39	
All causes, under 5 years..	15	10	10	6	5	43	12	36	7	27	10	36	49	1	23	290
Small-pox.....																
Measles.....						1		1								2
Scarlet Fever.....																
Diphtheria.....	2						2	1					1			6
Whooping Cough.....			1						1							2
Typhoid Fever.....		1											3			4
Malaria, Fevers.....						1	1			1		1			1	5
Diarrhœal Diseases.....	3	4	1	4	4	20	7	11		7	8	11	23	1	10	114
Cerebro Spinal Meningitis.....					1											1
Other Zymotic Diseases.....		1						1				2				4
Total Zymotic Diseases...	5	6	2	4	5	22	10	14	1	8	8	14	27	1	11	138
Malismus.....	2	1		2	1	3	3	5	1	3	1	7	4		5	38
Phthisis.....	2	1	2	2	2	6	3	1		2	2	2	4	1		32
Bronchitis.....	1		1			2	1			1						6
Pneumonia.....		1		1		2		1		1	1		4			11
Sarade.....					1											1
Accidents.....			1			1		1	1	3	1	5	1	1		15



## AUGUST.

All causes, all ages. ....	19	16	19	13	8	59	26	36	7	24	16	55	45	2	19	364
Rate of mortality.....	27.	25.	33.	23.	16.	33.	32.	27.	12.	23.	22	40.	22.	5.	29.	
All causes, under 5 years..	4	10	9	7	1	38	16	21	1	12	7	37	29	1	10	203
Small-pox. ....																
Measles .. .													1			1
Scarlet Fever.....					1											1
Diphtheria.....			1			1	3	1			1	2	2			11
Whooping Cough.....							2						3			5
Typhoid Fever.....	1						1	2				2				6
Malarial Fevers. ....					1	1			1	1		2	1			7
Diarrhœal Diseases.....	3	6	4		1	19	3	9	1	4	1	17	8		1	77
Cerebro-Spinal Meningitis.							1									1
Other Zymotic Diseases...		2	1	1		2	4	1		1	2		1		2	17
Total Zymotic Diseases...	4	8	6	1	3	23	14	13	2	6	4	23	16		3	126
Marasmus .....		2		2		4	1	2		1	1	5	1		2	21
Phthisis .....	5	1	3	2	3	3	3	4	2	2			8	1	3	40
Bronchitis.....					1	1	1			2		4	2		1	12
Pneumonia.....				1	1	1						1				4
Suicide.....			1			1		1	1							4
Accidents.....						1		1		1	2	2	1		1	9

**TABLE No. 6.—Continued.**  
**SHOWING MONTHLY MORTALITY, BY WARDS, FROM ZYMOTIC DISEASES AND OTHER CHIEF CAUSES.**  
**SEPTEMBER.**

WARDS.....	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total.
All causes, all ages.....	12	14	11	8	11	40	24	25	5	17	9	37	55	1	17	286
Rate of mortality.....	17.	22.	19.	14.	22.	22.	30.	19	8.	16.	12	27.	27.	3.	26.	
All causes, under 5 years..	3	6	4	3	6	21	12	12	3	10	6	23	30	....	10	149
Small pox.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Measles.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Scarlet Fever.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
Diphtheria.....	1	1	.....	1	.....	1	1	1	.....	.....	.....	4	4	.....	1	15
Whooping Cough.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Typhoid Fever.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	3	3	.....	.....	8
Malarial Fevers.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	2
Diarrical Diseases.....	.....	.....	2	1	.....	3	.....	3	.....	.....	1	3	3	.....	.....	16
Cerebro-Spinal Meningitis.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Other Zymotic Diseases.....	.....	1	2	.....	1	1	3	1	.....	1	.....	2	2	.....	2	16
Total Zymotic Diseases...	1	3	4	2	1	7	5	6	.....	2	1	12	12	.....	3	59
Marasmus.....	.....	.....	1	1	1	2	1	1	.....	5	2	3	3	.....	1	21
Phthisis.....	1	.....	3	.....	2	6	5	2	.....	.....	.....	5	6	1	2	33
Bronchitis.....	.....	1	.....	.....	1	2	2	3	1	.....	1	2	2	.....	.....	15
Pneumonia.....	.....	2	.....	1	1	3	.....	.....	.....	1	.....	2	1	.....	.....	11
Suicide.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Accidents.....	1	1	.....	.....	1	1	.....	.....	.....	.....	.....	.....	1	.....	1	6

## OCTOBER.

[illegible]

**TABLE No. 6.—Continued.**  
**SHOWING MONTHLY MORTALITY, BY WARDS, FROM ZYMOTIC DISEASES AND OTHER CHIEF CAUSES.**  
**NOVEMBER.**

WARDS. . . . .	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total.
All causes, all ages . . . . .	10	8	13	21	8	41	21	22	8	23	14	29	38	6	14	276
Rate of mortality . . . . .	14.	12	22	37.	16	23.	26.	17.	13	21.	19.	21	18	16.	21	
All causes, under 5 years..	6	4	3	9	2	16	12	8	1	8	6	9	17	2	4	107
Small pox . . . . .																
Measles . . . . .																
Scarlet Fever . . . . .				1									1			2
Diphtheria . . . . .		2		5	1	1	2				1	6	4	1		23
Whooping Cough . . . . .							1						1			2
Typhoid Fever . . . . .						1		2		2	1		1			7
Malarial Fevers . . . . .								1		1						2
Diarrhœal Diseases . . . . .					1		1					1				3
Cerebro Spinal Meningitis . . . . .																
Other Zymotic Diseases . . . . .	1	1		3		3	3	1		2	3	2	3			22
Total Zymotic Diseases . . . . .	1	3		9	2	5	7	4		5	5	9	10	1		61
Marasmus . . . . .			1	1		2	1					1	2			8
PLTILISIS . . . . .	1		1	1	1	5		1	1	4		2	4	2		23
Bronchitis . . . . .						1	2	1		2	2		5		1	14
Pneumonia . . . . .	2	1	3	1		4	2	4		2	1	2	3			25
Suicide . . . . .																
Accidents . . . . .				2	2	1	2	1		1		1			1	11

# DECEMBER

All causes, all ages. ....	19	16	12	24	18	41	18	42	11	25	14	35	58	3	13	349
Rate of mortality.....	25.	25.	20.	43	35	22.	22.	31.	18.	23.	19	25.	28.	8.	19.	
All causes, under 5 years..	7	4	3	15	7	21	7	20	5	16	6	15	25	1	7	159
Small-pox.....																
Measles.....																
Scarlet Fever.....				1												1
Diphtheria.....		1	2	6	2	7	3	2	3	3	2	1	6			38
Whooping Cough.....									1							1
Typhoid Fever.....						1						1	3			5
Malarial Fevers.....				1				2			1				1	5
Diarrhoeal Diseases.....				1		2	1		1							5
Cerebro-Spinal Meningitis.....												1				1
Other Zymotic Diseases.....		1		6		5	1	6		1			5		1	26
Total Zymotic Diseases.....		2	2	15	2	15	5	10	5	4	3	3	14		2	82
Marasmus.....	2						2					1				5
Phthisis.....		1			3	5	4	5	2	1	1		5	1		28
Bronchitis.....	1	1	1	1	1	4	1	5	1	4	1	2	5		2	30
Pneumonia.....	2		2	1	2	1		3	1	4		10	3			29
Suicide.....	1															1
Accidents.....							1	2				1			1	5



REPORT OF ATTORNEY.





REPORT  
OF THE  
ATTORNEY of the BOARD OF HEALTH.

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NEWARK, N. J., January 9, 1888.

*To the Honorable the Board of Health of the City of  
Newark, N. J. :*

GENTLEMEN—It seems proper at this time for your Attorney to present to the Board of Health a report of the doings of his office for so much of the past year as his incumbency covers, viz. : from April 1st, 1887, to the close of the year.

At the time I was appointed, the Board had several milk appeals pending, and the first work I was called upon to do was the argument of these appeals. They were three in number and were all dismissed on technical grounds, because of errors made by the Justice before whom the cases were tried. There were also, at the time of my appointment, a number of old milk suits which the Board had settled by the remission of

the penalty on payment of costs by the defendant. These costs have all been collected and disbursed to the persons entitled to them. Another old case, *Cox vs. Negles*, dating back to 1883, which was in the Surpeme Court on certiorari to Essex Common Pleas, has been settled by the acceptance of \$10.00 in full for costs of the Board and the dismissal of the suit. This amount, together with the sum of \$50.00, received from Justice Nettleship for a milk fine, has been duly turned into the City Treasury, as required by the Milk act.

There was also pending at the time of my appointment a certiorari to the Essex Pleas, taken to raise the question of the validity of the Board's ordinance concerning night scavengers and their work. This certiorari was argued at the June Term of the Supreme Court, by Mr. McDonald and Mr. Conover for Chas. Holzworth, the plaintiff in certiorari, and by your Attorney for the Board. A decision was rendered in November in accordance with the views advocated by the Board, directing the Essex Pleas to dismiss the appeal, and leaving the judgment in behalf of the Board in the Police Court unaffected.

This decision was an important one to the Board, because it practically recogniz-d the Board as an independent body, the Court deciding that the ordinances of the Board were not *city* ordinances, and that the provisions of the City Charter applicable to a review of a police court judgment on a suit for a penalty for a violation of a city ordinance, had no application to a similar suit for a violation of a health ordinance.

The suit has since been compromised, the Board remitting the penalty and the defendant paying the costs and agreeing to obey the ordinance in future.

The docket of the Board is therefore clear of all old litigation.

During the first two or three months after my appointment but little active work in the prosecution of offenders was done, as the Board was preparing and passing ordinances of its own, on the subjects most commonly needing its interference, so that it was about the first of August before very active measures were taken towards enforcing in the courts the ordinances of the Board. Almost all of the suits mentioned below have been commenced since that date.

Almost three hundred complaints—two hundred and ninety-five, to be exact—have been sent to me by the Health Officer. I have in my hands now, unacted upon, about fifteen. Of the balance quite a number—just how many I cannot say—have been returned without prosecution, because our ordinances did not reach the complaint. Ninety-one suits have been instituted, over one hundred letters have been written, and many personal interviews have been held. I think I am quite safe in saying that more than two hundred delinquents have been influenced by the fear of the law to obey the requirements of the Board.

The use of the courts has been entirely for the purpose of coercion. Both the Health Officer and myself have understood the object of the Board in prosecuting for penalties to be, not the collection of money, but the enforcement of the orders of the Board. Consequently, though we have brought many suits, and a

large majority of the defendants have been well able to pay the penalty, the penalty has in all cases been remitted, and the suit settled upon payment of costs by defendant, whenever the object of the Board could be thus attained. We have brought ninety-one suits under the various ordinances and have collected but one penalty of \$10.00. We have five judgments in our favor, which we hope ultimately to collect. We have lost two cases after trial, and discontinued ten before trial, because of mistaken owners or numbers or because work had been done. Four suits have been withdrawn, two have failed because defendant could not be found, thirteen are pending, leaving fifty-four suits which have been settled on payment of costs and compliance with the directions of the Board.

Most of the cases we have been compelled to discontinue would never have been brought if your Attorney had information of even date with complaint made to the Court. But it frequently happens that a suit is instituted after work has been done, but before information has been received to that effect. This is annoying, but practically remediless, as daily inspections cannot be had. In the case, however, of matters requiring permits from the Board, it is suggested that a note of the issuing of the permit affecting cases sent to the Attorney might be made and furnished to him.

Questions concerning certain requirements of our ordinances are now before the Second District Court, but an adverse decision is unlikely, except on the question of the right of the Board to compel a sewer connection. I am apprehensive that such power may be denied, as it is not expressly granted, and is to be

sustained only by implication. I have always been somewhat dubious about this power, but deemed the argument in its favor strong enough to deserve a test.

Respectfully,

JOHN R. HARDIN,

*Attorney of the Board of Health.*

